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Dated: 4.20.05 Signature: *Rhea Amid*
(Rhea Amid)

PATENT
Docket No. 246152024400

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Luppo EDENS et al.

Serial No.: 10/517,220

Filing Date (Int'l): May 14, 2003

For: IMPROVED METHOD FOR THE
PREVENTION OR REDUCTION OF
HAZE IN BEVERAGES

Examiner: Not Yet Assigned

Group Art Unit: 1761

Confirmation No. 2616

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

MS PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record.

The document numbers 1-3, 10, 12, and 14, listed on the attached Form PTO/SB/08a/b were cited in an International Search Report mailed on September 29, 2003 (copy attached) directed to a counterpart international or foreign application.

Applicants submit United States Patent Number 4,181,742 as an English language equivalent for document number 12, Japanese Patent Number 53-127896, listed on the attached Form PTO/SB/08a/b.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of __ is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of __ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing **246152024400**. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: April 20, 2005

Respectfully submitted,

By


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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/517,220
				Filing Date (Int'l)	May 14, 2003
				First Named Inventor	Luppo EDENS
				Art Unit	1761
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	246152024400

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US-4,532,213	07-30-1985	JAYARAMA K. SHETTY	
	2.	US-5,035,902	07-30-1991	CARL BILINSKI	
	3.	US-5,192,677	03-09-1993	JOHN KINSELLA	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	4.	EP-0 096 430	04-01-1998	GIST-BROCADES		
	5.	EP-0 134 048	08-14-1996	GIST-BROCADES		
	6.	EP-0 184 438	11-25-1992	GIST-BROCADES		
	7.	EP-0 253 455	01-20-1988	GIST-BROCADES		
	8.	EP-0 284 603	01-07-1998	GIST-BROCADES		
	9.	EP-0 301 670	06-14-2000	GIST-BROCADES		
	10.	EP-0 522 428	01-13-1993	VANDEMOORTELE		
	11.	EP-0 967 285	12-29-1999	CIBA-GEIGY JAPAN		
	12.	JP-53 127896	11-08-1978	ASAHI BREWERIES		
	13.	WO-02/45523	06-13-2002	DSM		
	14.	WO-02/46381	06-13-2002	DSM		

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	15.	ALTSCHUL et al., Nucleic Acids Research (1997) 25:3389-3402	
	16.	BREY et al., Journal of the Institute of Brewing (2002) 108(4):424-433	
	17.	DIEFENTHAL and DARGATZ, World Journal of Microbiology & Biotechnology (1995) 11:209-212	
	18.	FERREIRA et al., Trends in Food Science & Technology (2002) 12:230-239	
	19.	"Industrial Enzymology," 2nd ed. pp. 105-131	
	20.	International Search Report for PCT/NL03/00352, mailed on September 29, 2003, 3 pages	
	21.	KANATANI et al., J. Biochem. (1993) 113:790-796	
	22.	NAGODAWITHANA and REED, "Enzymes in Food Processing" 3rd ed., Academic Press, San Diego, (1993) pp. 425, 448-449	
	23.	QUEMENEUR et al., Nature (1998) 391:301-304	
	24.	RAPER and FENNEL, The Genus Aspergillus, The Williams & Wilkins Co., Baltimore, (1965) pp. 293-344	

Examiner Signature	Date Considered
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				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	246152024400

	25.	SIEBERT et al., J. Agric. Food Chem. (1996) 44:1997-2005	
	26.	SIEBERT et al., J. Agric. Food Chem. (1996) 44:80-85	
	27.	SIEBERT et al., J. Agric. Food Chem. (1999) 47:353-362	
	28.	SMITH and JOHNSON, Gene (1988) 67:31-40	

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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